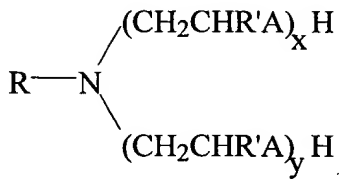
d) an amine surfactant having the structure

B1



wherein R is a C_{12}-C_{22} aliphatic hydrocarbon; R' is an independently selectable from hydrogen or C_1 to C_3 alkyl; A is NH or O, and $1 \leq x+y \leq 3$.

B2

4. (Amended) The invert emulsion fluid of claim 1 wherein said oleaginous fluid comprises from 5% to about 100% by volume of the oleaginous fluid a material selected from a group consisting of esters, ethers, acetals, di-alkylcarbonates, hydrocarbons, and combinations thereof.

B3

9. (Amended) The invert emulsion of claim 1 further comprising a bridging agent.

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12. (Twice Amended) An invert emulsion fluid having utility for drilling completing, or working over subterranean wells, said fluid comprising:

B4

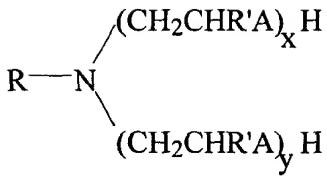
a) an oleaginous liquid, said oleaginous liquid comprising from about 30% to about 99% by volume of said fluid;

b) a non-oleaginous liquid, said non-oleaginous liquid comprising from about 1% to about 70% by volume of said fluid;

c) a weighting agent; and

d) an amine surfactant present in said fluid at a concentration of 0.1% to 5.0% by weight of said fluid, said amine surfactant having a structure of:

B4



wherein R is a C_{12}-C_{22} aliphatic hydrocarbon; R' is an independently selectable from hydrogen or C_1 to C_3 alkyl; A is NH or O, and $1 \leq x+y \leq 3$.

B5

14. (Amended) The invert emulsion fluid of claim 13 wherein said oleaginous fluid comprises from 5% to about 100% by volume of the oleaginous fluid a material selected from a group consisting of esters, ethers, acetals, di-alkylcarbonates, hydrocarbons, and combinations thereof.

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24. (Amended) The method of claim 23 wherein said invert emulsion drilling fluid comprises:

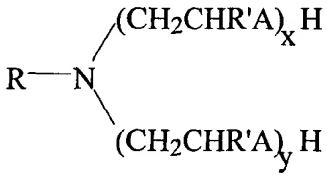
an oleaginous fluid;

a non-oleaginous fluid;

a weighting agent; and

an amine surfactant having the structure

B6



wherein R is a C_{12}-C_{22} aliphatic hydrocarbon; R' is an independently selectable from hydrogen or C_1 to C_3 alkyl; A is NH or O, and $1 \leq x+y \leq 3$; and

wherein the acid is functionally able to protonate the amine surfactant.
